

WHAT IS CLAIMED IS:

1. A navigation system comprising:
a location indicator device that is configured to transmit location information
5 through a terrestrial communication link, wherein the location information is based on
location of the location indicator device;
a GPS reception module that is configured to determine location information
based on a GPS satellite signal; and
a wireless reception module that is configured to determine its location
10 relative to an object in a map based on the location information from the location
indicator device and the GPS reception module.
2. The navigation system of Claim 1, further comprising an image display
device that is configured to display a map of roads, and is configured to display
15 location relative to the roads.
3. The navigation system of Claim 1, wherein the wireless reception
module is configured to determine its location relative to a road in the map based on
selectively using the location information from the location indicator device or the
20 location information from the GPS reception module.
4. The navigation system of Claim 1, wherein the wireless reception
module is configured to determine its location relative to a road in the map by
combining the location information from the location indicator device and the GPS
25 reception module.
5. The navigation system of Claim 1, wherein the wireless reception
module is configured to distinguish its location relative to at least two adjacent objects
in the map based on the location information from the location indicator device.
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6. The navigation system of Claim 1, wherein the wireless reception
module is configured to distinguish its location relative to at least two adjacent roads
in the map based on the location information from the location indicator device.

7. The navigation system of Claim 1, wherein the location indicator device is located adjacent to where a road branches into two or more roads.

8. The navigation system of Claim 1, wherein the location indicator
5 device is located adjacent to an intersection of two or more roads.

9. The navigation system of Claim 1, wherein the location indicator device is configured to transmit location information that comprises latitude and longitude values.
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10. The navigation system of Claim 1, wherein the GPS reception module is configured to output NMEA 0183 type location information.

11. The navigation system of Claim 1, further comprising an image display
15 device that is configured to display location of the GPS reception module on a map, and wherein the wireless reception module comprises:

a RF receiver that is configured to receive location information from the location indicator device through the terrestrial communication link;

a NMEA data encoder that is configured to convert the location information
20 received from the location indicator device to NMEA 0183 type location values; and

an interface controller that is configured to communicate at least one of the NMEA 0183 type location values and the location information from the GPS reception module to the image display device.

25 12. The navigation system of Claim 11, wherein the interface controller is configured to selectively communicate the NMEA 0183 type location values or the location information from the GPS reception module to the image display device.

13. The navigation system of Claim 1, further comprising an image display
30 device that is configured to display location of the GPS reception module on a map, wherein the image display device is at least one of a notebook computer, a cellular phone and a personal digital assistant (PDA).

14. A method of navigating, comprising:

receiving location information from a terrestrial location indicator device,
wherein the location information is based on location of the terrestrial location
indicator device;

determining location information from a GPS satellite signal; and

- 5 determining location relative to an object in a map based on the location
information from the terrestrial location indicator device and the location information
from the GPS satellite signal.

- 15 15. The method of Claim 14, further comprising determining location
relative to the object in the map based on selectively using the location information
from the terrestrial location indicator device or the location information from the GPS
satellite signal.

- 15 16. The method of Claim 14, further comprising determining location
relative to the object in the map by combining the location information from the
terrestrial location indicator device and the location information from the GPS
satellite signal.

- 20 17. The method of Claim 14, further comprising distinguishing location of
a device relative to at least two adjacent objects in the map based on the location
information from the terrestrial location indicator device.

- 25 18. The method of Claim 14, further comprising distinguishing location of
a device relative to at least two adjacent roads in the map based on the location
information from the terrestrial location indicator device.